



FORM PTO-1449  
(REV. 7-80)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

Sheet 1 of 1

ATTY. DOCKET NO.  
2002-057-02US

SERIAL NO.  
10/798,880

LIST OF PUBLICATIONS CITED BY APPLICANT  
(Use several sheets if necessary)

APPLICANT  
Brown, R. S. *et al.*

FILING DATE  
March 12, 2004

GROUP  
1621

#### U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
----------------------	--------------------	------	------	-------	----------	-------------------------------

#### FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
----------------------	--------------------	------	---------	-------	----------	-----------------------

#### OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

- aw 1 Barr, L., *et al.* "Metallocyclodextrin Catalysts for Hydrolysis of Phosphate Triesters". *Tet. Lett.*, 43: 7797-7800 (2002).
- bw 2 Bunton, C. A., *et al.* "Source of Catalysis of Dephosphorylation of *p*-nitrophenyldiphenylphosphate by Metallomicelles". *J. Chem. Soc., Perkin Trans.2*, 3: 419-425 (1996).
- aw 3 Scrimin, P., *et al.* "Metallomicelles as Catalysts of the Hydrolysis of Carboxylic and Phosphoric Acid Esters". *J. Org. Chem.*, 56: 161-166 (1991).

Examiner

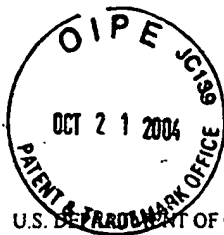
*m/wasich*

Date Considered

*8/22/05*

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985



FORM PTO-1449  
(REV. 7-80)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
2002-057-02US

SERIAL NO.  
10/798,880

Sheet 1 of 4

LIST OF PUBLICATIONS CITED BY APPLICANT  
(Use several sheets if necessary)

APPLICANT  
BROWN, R.S., *et al.*

FILING DATE  
March 12, 2004

GROUP  
1621

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	FILING DATE SUBCLASS	IF APPROPRIATE
<u>low</u>	1	5,859,064	Jan. 12, 1999	Cronce		
<u>low</u>	2	3,725,269	Apr. 3, 1973	Wolverton		
<u>low</u>	3	3,079,346	Feb. 26, 1963	Jackson		

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	TRANSLATION SUBCLASS	YES/NO
<u>low</u>	1	WO 02/072206 A1	Sept. 19, 2002	WIPO		No
<u>low</u>	2	WO 01/30452 A1	May 3, 2001	WIPO		No
<u>low</u>	3	WO 00/48684	Aug. 24, 2000	WIPO		No
<u>low</u>	4	WO 96/05208	Feb. 22, 1996	WIPO		No
<u>low</u>	5	EP 0906773 A1	Apr. 7, 1999	EP		No
<u>low</u>	6	EP 0909774 A1	Apr. 21, 1999	EP		No
<u>low</u>	7	DD 299,458	Apr. 23, 1992	DD		Yes

OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

low 1 Balakrishnan, V.K., *et al.* "Catalytic Pathways in the Ethanolysis of Fenitrothion, an Organophosphorothioate Pesticide. A Dichotomy in the Behaviour of Crown/Cryptand Cation Complexing Agents". *Can. J. Chem.* 79: 157-173 (2001).

Examiner

Date Considered

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
2002-057-02USSERIAL NO.  
10/798,880LIST OF PUBLICATIONS CITED BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
BROWN, R.S., *et al.*FILING DATE  
March 12, 2004GROUP  
1621

- CON 2 Bosch, E., *et al.* "Retention of Ionizable Compounds on HPLC. pH Scale in Methanol-Water and the pK and pH Values of Buffers". *Analytical Chemistry*. **68**: 3651-3657 (1996).
- 3 Bosch, E., *et al.* "Hammett-Taft and Drago Models in the Prediction of Acidity Constant Values of Neutral and Cationic Acids in Methanol". *J. Chem. Soc., Perkin Trans. 2*: 1953-1958 (1999).
- 4 Brown, R.S., *et al.* "Hydrolysis of Neutral Phosphate and Phosphonate Esters Catalysed by Co<sup>2+</sup>-chelates of Tris-imidazolyl Phosphines". *Inorganica Chimica Acta*. **108**: 201-207 (1985).
- 5 Brown, R.S., *et al.* "Acyl and Phosphoryl Transfer to Methanol Promoted by Metal Ions". *J. Chem. Soc., Perkin Trans. 2*: 1039-1049 (2002).
- 6 Brown, R.S., *et al.* "La<sup>3+</sup>-Catalyzed Methanolysis of Hydroxypropyl-*p*-nitrophenyl Phosphate as a Model for the RNA Transesterification Reaction". *39<sup>th</sup> IUPAC Congress and 86<sup>th</sup> Conference of the Canadian Society for Chemistry*. Ottawa, Ontario. August 10-15 (2003) (ABSTRACT).
- 7 Buncel, E., *et al.* "Alkali Metal Ion Catalysis in Nucleophilic Displacement by Ethoxide Ion on *p*-nitrophenyl Phenylphosphonate: Evidence for Multiple Metal Ion Catalysis". *Can. J. Chem.* **81**: 53-63 (2003).
- 8 Clewley, R.G., *et al.* "Mono and Dinuclear M<sup>2+</sup> Chelates as Catalysts for the Hydrolysis of Organophosphate Triesters". *Inorganica Chimica Acta*. **157**: 233-238 (1989).
- CON 9 Desloges, W., *et al.* "Zn<sup>2+</sup>-Catalyzed Methanolysis of Phosphate Triesters: A Process for Catalytic Degradation of the Organophosphorus Pesticides Paraoxon and Fenitrothion". *Inorganic Chemistry*. *submitted* (2003).

Examiner

Date Considered

\* EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
2002-057-02US 10/798,880

SERIAL NO.

LIST OF PUBLICATIONS CITED BY APPLICANT  
(Use several sheets if necessary)

APPLICANT

BROWN, R.S., *et al.*

FILING DATE

March 12, 2004

GROUP

1621

- 60N 10 Gans, P., *et al.* "Investigation of Equilibria in Solution. Determination of Equilibrium Constants with the HYPERQUAD Suite of Programs". *Talanta*. 43(10): 1739-1753 (1996).
- 11 Gibson, G., *et al.* "Potentiometric Titration of Metal Ions in Methanol". *Can. J. Chem.* 81: 495-504 (2003).
- 12 Ketelaar, J.A.A., *et al.* "Metal-catalysed Hydrolysis of Thiophosphoric Esters". *Nature*. 177: 392-393 (1956).
- 13 Khan, A., *et al.* "Strong  $Zn^{2+}$  and  $Co^{2+}$  Catalysis of the Methanolysis of Acetyl Imidazole and Acetyl Pyrazole". *Can. J. Chem.* 77: 1005-1008 (1999).
- 14 Nagelkerke, R., *et al.* "Alkali-metal Ion Catalysis and Inhibition in Nucleophilic Displacement Reactions at Carbon, Phosphorus and Sulfur Centres. IX. *p*-Nitrophenyl Diphenyl Phosphate". *Org. Biomol. Chem.* 1: 163-167 (2003).
- 15 Neverov, A.A., *et al.* "Catalysis of the Methanolysis of Acetylimidazole by Lanthanum Triflate". *Can. J. Chem.* 78: 1247-1250 (2000).
- 16 Neverov, A.A., *et al.* " $La^{3+}$ -Catalyzed Methanolysis of Phosphate Diesters. Remarkable Rate Acceleration of the Methanolysis of Diphenyl Phosphate, Methyl *p*-Nitrophenyl Phosphate, and Bis(*p*-nitrophenyl) Phosphate". *Inorganic Chemistry*. 40: 3588-3595 (2001).
- 60N 17 Neverov, A.A., *et al.* "Catalysis of Transesterification Reactions by Lanthanides - Unprecedented Acceleration of Methanolysis of Aryl and Alkyl Esters Promoted by  $La(OTf)_3$  at Neutral  $pH$  and Ambient Temperatures". *Can. J. Chem.* 79: 1704-1710 (2001).

Examiner

Date Considered

## \* EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
2002-057-02USSERIAL NO.  
10/798,880LIST OF PUBLICATIONS CITED BY APPLICANT  
(Use several sheets if necessary)

## APPLICANT

BROWN, R.S., *et al.*

FILING DATE

March 12, 2004

GROUP

1621

- CSW 18 Neverov, A.A., *et al.* "Catalysis of the Methanolysis of Activated Amides by Divalent and Trivalent Metal Ions. The Effect of  $Zn^{2+}$ ,  $Co^{2+}$ , and  $La^{3+}$  on the Methanolysis of Acetylimidazole and Its  $(NH_3)_5Co^{III}$  Complex". *J. Am. Chem. Soc.* **123**: 210-217 (2001).
- 19 Neverov, A.A., *et al.* "Europium Ion Catalyzed Methanolysis of Esters at Neutral pH and Ambient Temperature. Catalytic Involvement of  $Eu^{3+}(CH_3O)-(CH_2OH)_x$ ". *Inorganic Chemistry*. **42**: 228-234 (2003).
- 20 Okano, T., *et al.* "Transesterification Catalyzed by Lanthanoid Tri-2-propoxides". *Chemistry Letters*. 246-258 (1995).
- 21 Rived, F., *et al.* "Dissociation Constants of Neutral and Charged Acids in Methyl Alcohol. The Acid Strength Resolution". *Analytica Chimica Acta.* **374**: 309-324 (1998).
- 22 Tsang, J.S.W., *et al.* " $La^{3+}$ -Catalyzed Methanolysis of Hydropropyl-*p*-nitrophenyl Phosphate as a Model for the RNA Transesterification Reaction. *J. Am. Chem. Soc.* **125**: 1559-1566 (2003).
- 23 Tsang, J.S.W., *et al.* "Billion-fold Acceleration of the Methanolysis of Paraoxon Promoted by  $La(OTf)_3$  in Methanol". *J. Am. Chem. Soc.* **125**: 7602-7607 (2003).
- 24 Yang, Y.-C., *et al.* "Decontamination of Chemical Warfare Agents". *Chem. Rev.* **92**: 1729-1743 (1992).
- 25 Yang, Y.-C., *et al.* "Chemical Reactions for Neutralizing Chemical Warfare Agents". *Chemistry & Industry (London)*. **9**: 334-337 (1995).
- 26 Yang, Y.-C., *et al.* "Peroxyhydrolysis of Nerve Agent VX and Model Compounds and Related Nucleophilic Reactions". *J. Chem. Soc., Perkin Trans.* **2**: 607-613 (1997).
- CSW 27 Yang, Y.-C. "Chemical Detoxification of Nerve Agent VX". *Acc. Chem. Res.* **32**: 109-115 (1999).

Examiner

Date Considered

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.